-	~ ~	5	3	1.57274	71.5	စ္က	4					8	8								0	100.0	14.94	61.00	15.00
-		ľ	-	-+	_	19.36	4.64	-	-	-	-	41.00	20.00	-	-	\dashv	-	8.0	2.00	2.00	3.00	╌╢	-1		1
_	~	٤	î	1.54708	74.1	20.70	3.59			2.26		25.75	14.37	11.98	6.39			14.97				100.0	19.65	58.48	14.97
_	<u></u>	Ş	2	1.58590	69.3	24.20	5.80					35.00	20.00					15.00		*		100.0	13.63	55.00	15.00
•	0	ļ	=	1.54122	74.9	21.60	3.28				2.21	22.00	13.00	15.00	8.00			15.00				100.0	20.88	58.00	15.00
•	Z		9	$\overline{}$	0.69	24.20	5.80					60.00	5.00					5.00				100.0	14.52	65.00	5.00
-	×		15	1.67944 1.57467	69.1	16.14	3.86		·			00.09	5.00					15.00				100.0	14.52	65.00	15.00
•	u u		12	1.55275	71.6	18.82	3,40		3.38			25.60	14.40	12.00	6.40		1.00	15.00				100.0	19.91	58.40	15.00
•	Ħ		11	1.57474	70.7	20.17	4.83					33.00	27.00					5.00		10.00	1	100.0	15.32	60.00	15.00
	ם.	Ī	10	1.57484	70.2	20.17	4.83					37.00	23.00					10.00	6.00			100.0	14.98	00.09	15.00
	—		6	1.57211	70.1	20.17						35.00	25.00					5.00		БÜ.	10.00	100.0	15.15	60.00	15.00
	н		8	1.54874	71.6	18.52		5.19				22.00	13.00	15.00	8.00			15.00				100.0	20.88	58.00	15.00
:	Ċ		7	1.58242	70.0	1						35.00	20.00			5.00		20.00				100.0	17.03	56.00	20.00
evised	<u>F</u>	Î	9	1.56879			П					40.00	20.00				5.00	15.00				100.0	16.05	60.00	15.00
ples - Re	户		2	1.56637	+		Τ															100.0	15.80	65.00	6.00
of Exam	ບ		MM	Т		141 945 24 20	101.961	153.326	103.619	56.077	40.304	175.324 45.00	125.617 20.00	78.075	62.302	83.977	214.245	362.498 5.00	325.809	225.810	394.078		18.998		
Komiya Conversion of Examples - Revise	В	wt%		٦	100	000	A1.0.	RaO	Sro	CaO	MgO	BaF2	SrF2	CaF	MgF2	AIF ₃	GdF3	Gd ₂ O ₃	La ₂ O ₃	Y203	Yb2O3	total	F	MgF ₂ +CaF ₂ +SrF ₂ +Ba	Y ₂ O ₃ +L ₂ o ₃ 3+Gd ₂ O ₃ +Y b ₂ O ₃
	70		79	27	77	77	27	7.7	78	62	80	81	82	83	84	85	98	87	88	89	90	91	92	93	94

0.0080 0.7861 20 1.54708 1.57274 0.2339 0.0909 100.0 61.0 0.0061 0.0221 æ 0.05 0.05 æ 24.0 8.0 0.0 2.0 1.0364 0.1472 0.0414 1.57944 1,57467 1.54122 1.58590 1.54708 0.1537 100.2 ð 0.0404 . 0.7 58.6 ð 14.4 16.0 ď 25.8 0.0644 0.1137 0,1996 0.1692 0.7177 0,0414 1.58590 100.0 60.3 0.5 65.0 30.0 16.0 35.0 20.0 ρ 1.099 0.1255 0.1035 0.1921 0.1284 0.0414 0.0549 100.0 1,54122 0 58.0 0 30.0 17.0 10.0 22.0 19.0 16.0 0 0.7883 0.8063 1.0482 0.7641 0.7641 J K L M N 0.3422 0.0398 0.0138 1,57467 70.2 70.7 71.6 69.1 69.0 0.0947 0.0947 0.0667 0.0758 0.1137 0.09 100.0 9.0 65.0 z 0.09 z 0.0 0.3422 0.0414 1.57944 69.1 100.0 0,0398 0.5 20.0 65.0 Z 0.03 16.0 Z 0.1996 0.1266 0.1996 0.2110 0.1882 0.1460 0.1592 0.1036 0.1990 0.1831 0.2149 0.1146 0.1921 0.1931 71.6 0.0414 10 11 12 1.67484 1.57474 1.55276 100.0 0.0326 0.1637 0.0047 58.4 ı 12.0 16.0 0.1 0.0138 100.0 0.0443 70.7 0 10 11 1.57211 1.57484 1.57474 9.0 0.09 × 10.0 ¥ 33.0 0.0414 0.0138 0.0276 0.5 1000 71.5 70.0. 71.6 70.1 70.2 0.0768 0.0768 0.0844 0.0947 0.0947 70.2 60.0 37.0 23.0 10.0 7 26.0 0.7973 0,5 1.57211 0.0254 100.0 .70.1 60.0 -35.0 6 6 7 8 1.56637 1.56879 1.58242 1.54874 1.099 1.56637 1.56870 1.58242 1.54874 173.3 71.5 70.0 0.0844 0.7 0.1284 100.0 58.0 H 22.0 13.0 15.0 12.0 15.0 二 10.0 0.0233 0.8963 0.0595 100.0 20.0 25.0 0.6 ٣ G 20.0 20.0 G 35.0 0.8447 0.2281 0.6 100.0 ۶., 90.0 20.0 0.0 0.0 0.0 5.0 15.0 0.8318 0.0138 73.3 0.2567 0.5 100.0 囮 65.0 30.0 Œ 45.0 囶 9.0 16.9884 =(E35+E36+E37+E38)*2+(E39+E40)*3 Ω S Ω Conversion of Examples - Revised 175.324 =E13/\$C35 362.498 =E19/\$C4 263.897 = E8/\$C30 198.022 62.302 176.324 214.245 362.498 162,249 63.977 214.245 394.078 245.564 125.617 78.076 62.302 83.977 295.271 × ပ ¥ ပ ပ Sr(PO,) Ba(PO,); Ba(PO,) Ca(PO₃)₂ Mg(PO₃)₂ Mg(PO.)2 Ca(PO₃), AJ(PO,) Sr(PO,)2 Komiya Ø Gd₂O₃ ¥t% CaF₂ MgF₂ Yb,0, total GdF3 Ć, Ą. 10 11 12 13 16 16 16 17 18 18 18 19 20 20 22 22 23 24 34 6 38

× [8	1,67274	71.6	0.0900					0.2339	0.1592					0.0221	0.0061	0.0089	0.0076	0.5	0.7861	æ	:	20	1.67274	71.5	19,36	4.64					41.00	20.02				5	2 00	2.00	3.00	100.0	14.935
;		\neg		0.0705			0.0404		0.1472	0.1146	0.1537	0.1027			0.0414				0.7	1.0364	a	- *	19	1.54708	14.1	20.74	3.59			2.27	-1	- 1	14.40	37.0	0.40		15.00	300			100.2	19.691
- a,			—1	0.1137	1	1	Ĭ		0.1996	0.1592	Ť	Ť			0.0414				0.5	07177	۵	-	81	1.68590	69.3		5.80					Т	20.00		1		15.00	1	T		100.0	13.635
0				0.0644		1		0.0549	0.1255	0.1035	0.1921	0.1284			0.0414				0.7	1 099	2	- >	17	1.54122	74.9		П				Т	$\neg r$	Т	00.01	9.00		15.00	T	T		100.0	20.879
z				0.1137					0.3422			Ť			0.0138				90	0.7641	Z		2	150	0.69		1				\neg		00.0				90	Т	T		0.001	14.516
×	15	1.67944	69.1	0.0768 0					0.3422			T			0.0414			Ī	9	1-		 E	15	Z.	69.1		Г					╗	2.00	T			. 00 %	7	T	T	100.0	14.516
- -	12	1.65276 1.	71.6	0.0667		0.0326			0.1460			0.1027		0.0047		T			5	12		<u>-</u>	12	120	71.6		Г	П	3.38		-T	$\neg \tau$	Т	00.21	6.40	1	00.1	Т	T		100.0	
×	11	1.67474 1.	7.07	0.0947 0		P			0.1882 0					9	0.0138		0.0443		90	٦١		 4	=	7	70.7		П	П	Ť		\Box	\neg	27.00				Т	30.0	999		100.0	₩-
ر.	OT	1.67484 1.	70.2	0.0947 0.				l	0.2110 0			†		\dagger	0.0276 0		_		5		31		٤	12	70.2	И	1	Г					23.00			1	\neg	20.01	1		0.001	-
-	6	ا=ا	70.1	0.0947 0.	-	-		T	0 1996 0			t		t	0.0138 0		+	0.0054	2 2		2	 - -	-	Ī	Ę	┰	Г	Т	Γ		П		26.00	1	1	1	П	00.0	+	00.01		15.147
н	- - -	74	71.6	0.0644 0.	0.0339			l	0 1255 0			0 1984		T			1	١	5	⊣⊢	<u>, </u>	 =	-	74	912	Т		Τ.			П		_	16.00	8.00	1	Т	10.00	\dagger	Ť	1001	₩-
_ ე	-	1.58242 1.		1	_		f	t	0 1996			٥	0 0505	3	0.0552 0.0414			\dagger	-	ᆚ	<u>.</u>	 5	-	1 58242 1	Ę	╬	T	Т	T			35.00 2	$\neg T$		T	2.00	Т	20.02	+	†	0.001	┅
	- •	18	71.6	W		\vdash	\mid	\dagger	0 9981			\dagger	6	0 0033	_		+	\dagger	╬		Ş			۱g	4 5	╂	Т		T				20.00	1	+	T	$\neg \Gamma$	16.00	\dagger	+	100.0	4—
—— 闰	<u></u>	37	79.3	1	_	╁	+	t	0 9867			+	\dagger	١	86100		+	\dagger	- -		勯	 भ	-	7.	$\cdot \Box$	06.49	1	Т	T	r		П	20.00	+		1	Т	2.00	\dagger	+	0.001	7
G	ı			000 000 - 100/8/730		295,271	240,004	198.022			=E14/\$C36	78.075	62.302	63.977	17.00.01	=E19/\$C41	325.809	225.810	394.078	=SUM(E30:E44)	3)*2+(E39+E40)*3		ivisions by weight	e MW		0 3/3#(VEO: DOS: DOS: DOS)	SITESTESSTESSTESS CON	101.801 = (E.30/2/ \$-503	103.620	66.077	40.304		125.617 =E36*\$C59	78.076	62,302	83.977		=E41*\$C64	326.809	226.810	87)	
<u> </u>		†		100	All Popular	Ba(PO ₂)	200	Ca(PO ₂)	Mg(PO.)2	BoF;	SrF,	CaF,	MgF ₂	ΔĒ,	CdF3	Ga,o,	o e	γ,ο,	Yb.O,	total		В	roporti		밑	Vd.	2.5 2.5	A203	200	2 3	2 2	BaFr	SrF,	CaF ₂	MgF ₂	AIF,	GdF3	Gd ₂ O ₃	Le.O.	ç, ç	Yb,C,	18107
25	Т	Т	+	Ţ	1	_	. [7	1		٦	\neg	- 1		_	╗	T				Ī	49	T	T		T	Т	Т				09				Ī		7	T	7

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Æ	8	1.67274	71.6	19.36	عَ		T	T		41.00	20 20 20 20 20 20 20 20 20 20 20 20 20 2					8,8	2.00	2.00	3.00	0 001	14 025	300	4		2	1.67274	2	19.36	29.					8	8					8	ا اچ	2.00	300	0.00 0.00 0.00	14.94	5	61.00	15.00
o r		_	-1	T	3.59	\dagger	1	2.27	Т	26.80	Т	12.00	6.40			16.90	Т		-	6 001	~ -		-	Ī			-1	I	8.69	١		2,26	7		T	11.98	6.39	T	Т	14.97	T		_	0001	19.65	07 02	58.48	14.97
d		1,68590 1.6	6	1	П	\dagger	- 1	24	_ [36.00	- 1	113	9	-		15.00	Г	T		╂	100.0		_ ~	ł		1.68690	69.3	<u>ة</u> 2	9	1		7	┑	ヿ	20.00	7	1	1	1	16.80	1	1	-+	0.001	-	5	65.00	16.00
	П		6	7	8.8	+	+	+		-1	_ 1	00	_	H	\vdash	Т	Τ	\vdash	\vdash	ᠰ	0.001	2	_ o	ł		1.54122 1.6	ااف	- 1		+	1	1		П	T	g	1	+	7	16.00	+	+		12	20.88	_	28.00	15.00
<u> </u>	1	67 1,64122	69.0		3.28	+	+	+	-1			15.00	8.00	-	┞	15 00	Т	+	H	╌		٥		ŀ				\neg	9.28	\dashv	-	-	П	\neg	T	16.8	<u>ş</u>	+	7	7	+	\dashv	-	_	14.62 2	_	65.00	6.00
z	18	4 1.67467			6.8 8	4	+	4	_	\neg	5.00	_	-	L	L	9	Т	╀	╀	-11-	—>		_	ł	9	1.67	69.1	24.20	9.80	\parallel			Н	П	9	+	+	+	٦	8	+	-	-	_	-	_	_	
<u>×</u>	55	1.67944	1.69	16.14	3.86		4				5.00	L	L		L	16.0	-	1	ļ	-11-		-1	¥ 			<u>"</u>		16,14	3.86	-				80.09	8	-	1	4		89	-	\dashv	-	100.0	14.62		0 65.00	0 16.00
1	2	Ξ	71.6	18.82	3.40		3.38			25.60	14.40	12,00	6.40		8	3 2		\downarrow			100.0	ä١	그 —			<u>"</u>	11.6	18.82	3.40		8.88		Ŀ	26.60	Ş.	8	9.9		8	8.9	_		Ц	100.0	19.91	_	58.40	15.00
×	=	1.67474	7.07	20.17	4.83					33.00	27.00					8	3	8	3		100.0	2	×		=	9	70.7	20.17	4.83					93.00	27.00					89		10.00		100.0	16.32		80.00	15.00
٦	g	_	70.2	1												8	3 5	3			0.00	14.976	רי		10	1,67484	10.2	20.17	4,89					97.00	23.00					10.00	6.0			100.0	14.98		60.00	15.00
_	_	Ξ		8	1	П				\mathbf{r}	25.00	г	T	T	T	Ţ	3	1	٤	3		16.147	_		8	1.67211	10.1	20.17	4.63						25.00					6.00			00.01	100.0	16,15		90.00	16.00
—	-	12		150	Т	П	_	H		r	13.00	Ι.	2 2	†	t	Т	8	†	Ť	-۱۲		힖	Ħ		.8	-	71.6	ı	3.28 4	6.19			T	22.00		16.00	8.00		_	16.00			Ī	100.0	20.88		98.00	16.00
_ _	-	13		-	Т		_	\vdash	-	Т	Т	•		Т	+	7	37.02	\dagger	\dagger	-11		æ	9	ļ	1	1.68242 1.		尸		5.	-	T	 	35.00 22	20.00	11				20.00	Н	-	r	100.0	4	1-	65.00	20.00
	-			F	Т		-	-	H	35.00	Т	Т	\dagger	15	3	Т	Т	+	+	-1>		£	F		9	$\overline{}$	71.6 7	F	П	-	ŀ	+	\vdash	Г	Г	Н	Н	6.90	_		-	├	-	100.0	1	⊢	80.00	15.00
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<u>න</u> —	Ľ	1 86697		06.76						85.0	2 2		1	1	4	-	8	4	4		100.0	15.802	E		Ľ	1.66637	73.8	24.20	6.80	-	-	igert	1	8.8	20.00	L		Ц		8	L	L	╀	Į	16.80	L		6.00
0 c	proportion divisions by weight	WM 2		03/3#(160.000.000.000.	141.946 = ((E30*3/2)+E31+E32+E33+E34 903	Т	020:201	†	+	40.904	176.324 == E	7		-	93.977	3 216.245	H	3, 925.809	Η	394.078	Г	18 9984 = F	O a	- > -	1 MW 1 5			1.1.0.45 - DEO/Deco+100	141.945 LD	269 691	†	+	10.002	\dagger	195.617=	78.076	\dagger	╁	+	t	326.809	t	\dagger	\dagger	30 ON SECOND 18 000 1 18 000 1 1 18 000 1 1 18 000 1 1 18 000 1 1 18 000 1 1 1 1	200 COOL 1000 CO	hip stuit = strip stuit = strip stuit =	` <u>`,0,</u> 84a,0' -p.Gd,O,4'\ b4O,
<u>,</u>	prop		밀	ΡΛ	0 1 1	A120g		o's	8	S S	BaF.	SrF.	CaF.	McP,	۸μ,	S P P	o g	0,0	, ,	o e	tota		ł	רן ז	L	<u> </u> -	1		2 9						1	5	Σ	14	2	100		5	5 5 5		101a		**************************************	1 1
47	48	49	3	2	25	8	60	8	20	22	89	69	09	61	62	63	64	99	99	67	68	69	3	3 6	= 8	2 6	2	*	9	2 2			2	읾	100	3 6	3 2	8	9	8 8	ā	8 8	8 8	3 3	5 6	26	93	76